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Smart card handbook - Google Books Result

by Wolfgang Rankl, Wolfgang Effing - 2004 - Technology & Engineering - 1088 pages
A type of **attack** that has been known to manufacturers of smart cards and **smart card** microcontrollers since around 1998 is the '**light attack**', ...
books.google.com/books?isbn=0470856688...

Information Security Technical Report : Overview about attacks on ...

This type of **attack** can be demonstrated by means of a **smart card** for digital As a result, the attacker would have to use two **light flashes** for ...
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by W Rankl - 2003 - Cited by 2 - [Related articles](#)

Camera flash opens up smart cards - 13 May 2002 - New Scientist

Sensitive information can be revealed with a **flash of light** and an ... discovered that firing **light** from an ordinary camera **flash** at parts of a **smart card** ... this type of **attack** can be performed cheaply using off-the-shelf equipment. ...
www.newscientist.com/.../dn2273-camera-flash-opens-up-smart-cards.html - [Cached](#) - [Similar](#)

EFA submission re Qld Smart Card Driver Licence proposal

Smart cards also open to **attack**, Australian IT, 19 November 2002 ... stored on a **smart card** microprocessor can be revealed with a **flash of light**, ...
www.efa.org.au/Publish/efasubm-qt-nqdl.html - [Cached](#) - [Similar](#)

An Overview of Smart Card Security

Smart Card after physical **attack** All data and passwords on a card are ... or focusing the UV **light** on the EEPROM, thus removing the security lock. ... immediate erasure of all RAM data and **flash** programming of the entire EEPROM array. ...
people.cs.uchicago.edu/~dinoj/smartcard/security.html - [Cached](#) - [Similar](#)

Vulnerability Is Discovered in Security for Smart Cards - The New ...

May 13, 2002 ... The Cambridge group's discovery is one of two new **smart card attacks** that will be introduced Monday evening in Oakland, Calif., ... They were able to expose the circuit to the **light** by scraping most of the protective ... within the chip by beaming the **flash** through a standard laboratory microscope. ...
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» The National ID Card Challenge for Nandan Nilekani.. Part II ...

For the unique national ID card, a low memory **smart card** may be used ... a **smart card** microprocessor can be revealed with a **flash of light** using ... In the semi invasive **attack**, the researchers removed part of a chip's ...
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Upgrade to smart card security needed

May 14, 2002 ... While many security processors can stop the more basic **attacks**, ... silicon becomes transparent to the **light** in an infrared **flash** and the ...
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Tokens: Something You Have

include the use of the **smart-card** chip in an RF-connected token that oper- ... **light** can destroy security protection on smart cards. Of course, direct ... Although the optical-**flash attack** requires stripping off the top protec- ...
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System for testing, verifying legitimacy of smart card in-situ and ...

Apr 19, 2005 ... Lauri Karppinen, "**Attacks** Related to the **Smart Card** Used in The security lock bit is erased by focusing UV **light** on the The **flash** memory 63 internal to the processor allows for in-field software upgrades. ...
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